

CLAIMS:

1. An antenna module, more particularly for the high-frequency and microwave range with an antenna (10) and an HF line (20) to connect the antenna (10) to associated transmit and/or receive stages, in which at least parts or sections (21, 22) of the HF line (20) have a mismatch in the form of an impedance deviating from the impedance of the antenna (10).
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2. An antenna module as claimed in claim 1, comprising an HF line (20), which has an impedance that is about 10 to about 25% lower or higher than that of the antenna (10).
- 10 3. An antenna module as claimed in claim 1, comprising an HF line (20) which has a first and a second section (21, 22) which have different impedances and form an impedance transition or impedance jump which is about 10 to about 25% lower or higher than the self-impedance of the antenna (10).
- 15 4. An antenna module as claimed in claim 1, in which the antenna (10) is a dielectric block antenna (DBA) or a printed wire antenna (PWA) which is mounted on a printed circuit board (30), in which the HF line (20) is produced in the form of at least one printed wiring structure deposited on the printed circuit board (30).
- 20 5. An antenna module as claimed in claim 1, in which the antenna is produced in the form of at least one resonant printed wiring structure and is deposited on a printed circuit board (30) together with the HF line (20).
- 25 6. A printed circuit board, more particularly for surface mounting electronic elements, comprising an antenna module as claimed in any one of the claims 1 to 5.
7. A mobile telecommunications device, more particularly for the 2.4-GHz range, comprising an antenna module as claimed in any one of the claims 1 to 5.